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3 October 1966

IMPROVEMENT TO PAPER PROCESSOR [redacted]
(Project # 10137)

25X1A

1. PROBLEM.

To manufacture a lead-tab device for the 24-inch paper processor.

2. FACTS BEARING ON THE PROBLEM.

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a. The [redacted] processor, developed by [redacted] was delivered in October 1965 and installed in the Production Services Division (Photo Lab). The transport will not handle paper normally used by the photo laboratory without the use of a lead tab.

b. The exit port on the dryer is not adequate to consistently allow the dried print, with its induced curl, to pass through.

c. The processor is not available for production use until a device is provided to feed the paper into the roller transport.

3. DISCUSSION.

a. Equipment.

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The [redacted] processor is a roller transport photographic print processor designed to accommodate single or double weight paper prints in any size up to 24 inches in width and 40 feet in length. When developed, it was expected that the equipment would be self-threading and that prints of random sizes could be fed into the machine for processing and drying.

b. Current Status.

The processor satisfactorily processes and dries prints of all sizes up to 24 inches wide. However, operational problems exist which seriously limit the usefulness of the machine, the major problem being that the machine is not self-threading and requires the attaching of a semi-rigid tab to the print prior to processing, and detachment of the tab after processing and drying. This is not only a time consuming and awkward method of transport through the machine, but sometimes results in damaged prints due to improper removal of the tab. In-house experimentation has provided a concept which partially alleviates this problem. A plastic screen, when attached to a lead tab, will lead the print through the machine (when the print is inserted between screen fingers) and falls free after processing and drying. The plastic screen does not damage the print, while the open mesh permits chemical and drying action.

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c. Selection of Contractor - [redacted] has provided an unsolicited proposal to solve the lead tab problem. 25X1A

d. Project Phasing - This project is a straight forward engineering problem that can be solved and a device provided within a four-month period.

4. CONCLUSION.

A device to feed paper into the processor is required in order to utilize the machine for processing of large photographic prints and to increase the production rate of the photo laboratory.

5. RECOMMENDATION.

It is recommended that the product improvement (lead-tab device) for the 24-Inch Paper Processor be contracted to [redacted] 25X1A

6. REFERENCES AND ATTACHMENTS.

TAB A - R&D Catalog Form

TAB B - Work Statement

ATTACHMENT - Proposal

SECRET

(When Filled In)

TAB A

R & D CATALOG FORM

DATE: 19 September 1966

1. PROJECT TITLE/CODE NAME
Improvement to Paper Processor, [redacted] 25X1A

2. SHORT PROJECT DESCRIPTION
Modifications to the [redacted] Processor, a development by [redacted] under Contract in FY 1964 and FY 1965. (A related project) 25X1A

3. CONTRACTOR NAME
[redacted]

4. LOCATION OF CONTRACTOR
[redacted] 25X1A

5. CLASS OF CONTRACTOR
Manufacturer

6. TYPE OF CONTRACT

7. FUNDS
FY 19 66 $ None 25X1A
FY 19 67 $ [redacted]
FY 19 68 $ None

8. REQUISITION NO.

9. BUDGET PROJECT NO.
NP-R-13-10137

10. EFFECTIVE CONTRACT DATE *(Begin - end)*
31 Oct. 66 - 31 Jan. 67

11. SECURITY CLASS.
A.A. - Confidential
T. - Unclassified
W. - Unclassified

12. RESPONSIBLE DIRECTORATE/OFFICE/PROJECT OFFICER TELEPHONE EXTENSION
DDI/NPIC/P&DS [redacted] 25X1A

13. REQUIREMENT/AUTHORITY
Required for increased operational efficiency of the RT-24 Processor.

14. TYPE OF WORK TO BE DONE
Engineering Development

15. CATEGORIES OF EFFORT

MAJOR CATEGORY	SUB-CATEGORIES
Reproduction Techniques & Materials	Film & Copy Paper
	Processors/Printers

16. END ITEM OR SERVICES FROM THIS CONTRACT/IMPROVEMENT OVER CURRENT SYSTEM, EQUIPMENT, ETC.
The services and materials to be provided are to improve operational effectiveness of the [redacted] photographic print processor.
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17. SUPPORTING OR RELATED CONTRACTS *(Agency & Other)*/COORDINATION
25X1A The [redacted] processor was developed under [redacted] 25X1A

18. DESCRIPTION OF INTELLIGENCE REQUIREMENT AND DETAILED TECHNICAL DESCRIPTION OF PROJECT *(Continue on additional page if required)*
This effort is for design, fabrication, and installation of a device to produce lead tabs for the print material; for a system to conveniently feed the print material into the processor; and for modifications to enable extraction of the processed prints from the machine undamaged.

19. APPROVED BY AND DATE

OFFICE	DEPUTY DIRECTOR	DDCI

Work Statement

IMPROVEMENT OF 24 INCH PAPER PROCESSOR [redacted] STATINTL

1.1. Furnish a minimum of 100 sheets of plastic material approximately 10 X 24 inches to be used as lead tabs. The material must be pliable, of a thickness not greater than 0.010 inches and must be capable of bonding to a screen material (sample attached).

1.2. Design and fabricate a device which will bond the screen material to the tab and, in the same operation, cut the screen fingers to the proper lengths and dimensions. (See attached sketch, enclosure #1).

1.3. Design, fabricate, and install on the feed bed of the [redacted] STATINTL processor a foot actuated device which will raise the short fingers of the screen material for insertion of the unprocessed print. (See attached photograph of feed bed, enclosure #2).

1.4. Design, fabricate, and install on the [redacted] processor, just STATINTL below the feed bed, an easel that will hold a ready supply of prepared lead tabs.

1.5. Design, fabricate, and install a pair of beveled shoes or guides to prevent the prints from catching on the air nozzles that actuate the replenishment switches.

1.5. Because of curl induced in the prints during processing, they have a tendency to miss the exit port in the dryer.

Design, fabricate, and install such device(s) that will force proper exit of the prints.

NOTE - Except, for the lead tabs all of the above requirements are for single units to be installed on one machine.

TAB B